



N Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors Technical Data Sheet

PE44707

Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402
- Bulkhead

Features

- Max. Operating Frequency 11 GHz

- Gold over Nickel Plated Phosphor Bronze Contact

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE44707 type N female bulkhead connector with solder/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 (.640 inch DD hole) is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 11 GHz. This type N bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our type N female bulkhead connector PE44707 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC | | 11 | GHz |

Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 1.173 in [29.79 mm] |
| Width/Dia. | 0.866 in [22.00 mm] |
| Weight | 0.086 lbs [39.01 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44707](#)



N Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors Technical Data Sheet

PE44707

Material Specifications

| Description | Material | Plating |
|-------------|-----------------|------------------|
| Contact | Phosphor Bronze | Gold over Nickel |
| Insulation | PTFE | |
| Body | Brass | Nickel |

Environmental Specifications

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

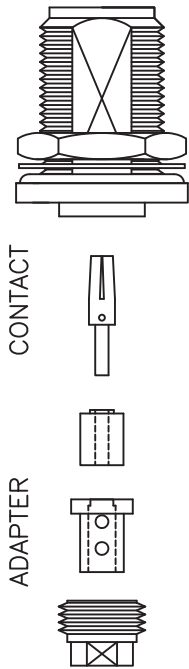
N Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44707](#)

URL: <https://www.pasternack.com/n-female-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe44707-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

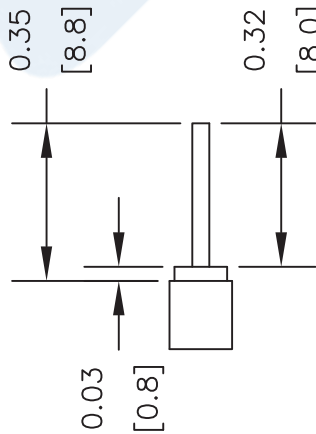
N Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



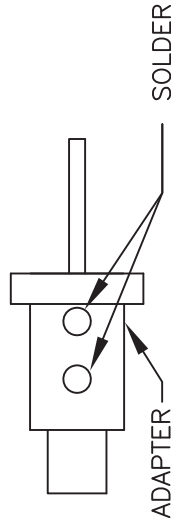
CLAMP NUT INSULATOR BODY

ASSEMBLY PROCEDURES

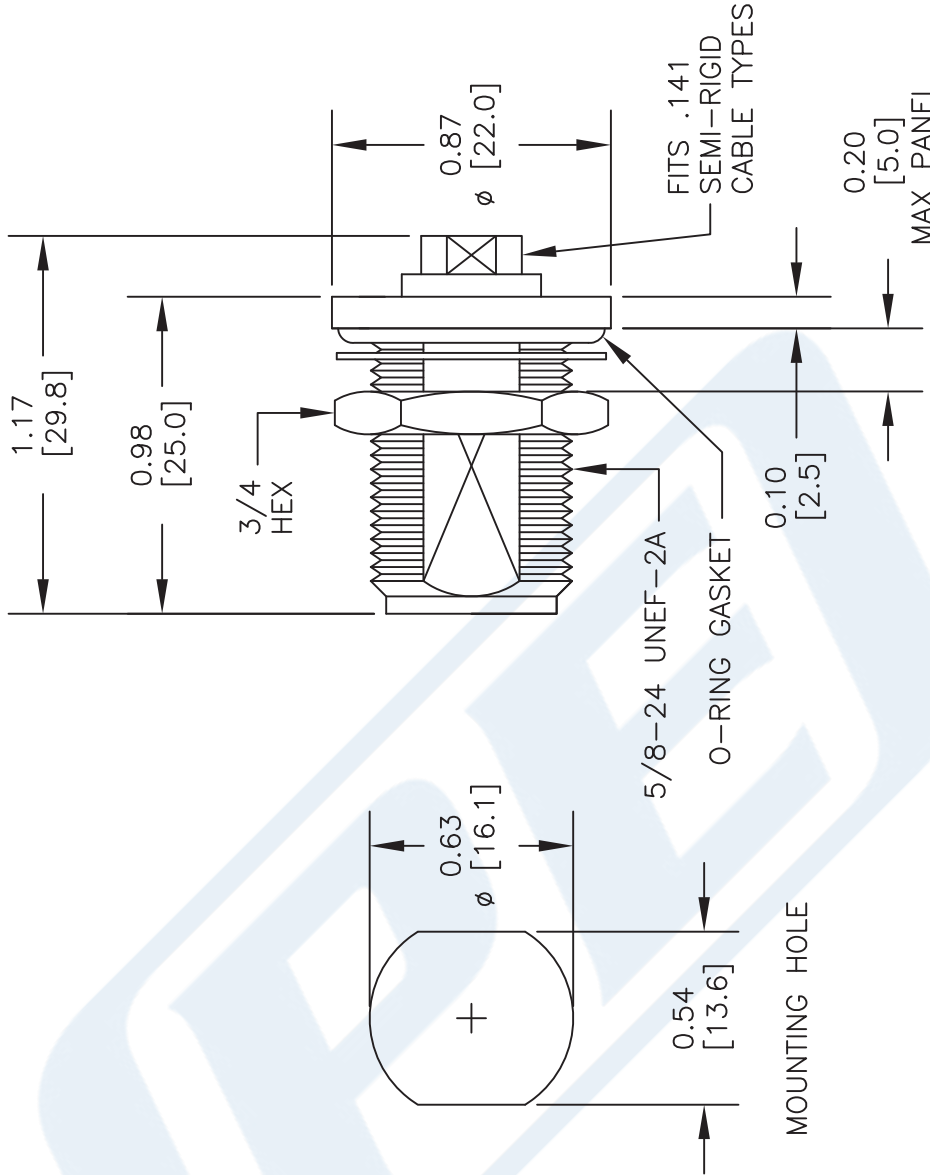
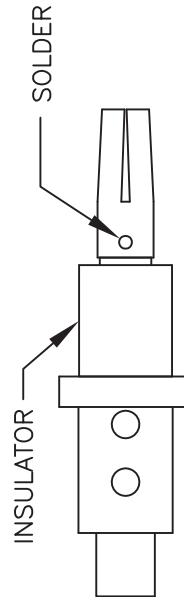
1. TRIM CABLE JACKET & DIELECTRIC TO DIMENSIONS AS SHOWN. DO NOT NICK CENTER CONDUCTOR.



2. SLIDE CLAMP NUT OVER CABLE. SLIDE ADAPTER OVER CABLE UNTIL IT BOTTOMS OUT. SOLDER ADAPTER TO OUTER CONDUCTOR.



3. SLIDE INSULATOR AND CONTACT OVER CONDUCTOR. SOLDER CONTACT TO INNER CONDUCTOR. SCREW CLAMP NUT INTO THE BODY UNTIL IT BOTTOMS OUT



DWG TITLE

PE44707

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

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FSCM NO. 53919

CAD FILE 121511

SCALE N/A

SIZE A

2233



TNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors Technical Data Sheet

PE44711

Configuration

- TNC Male Connector
- 50 Ohms
- Right Angle Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Solder/Solder Attachment

Features

- Max. Operating Frequency 6 GHz
- Gold over Nickel Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44711 TNC male right angle connector with solder/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 6 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our TNC male right angle connector PE44711 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC | | 6 | GHz |

Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 1.043 in [26.49 mm] |
| Width/Dia. | 0.591 in [15.01 mm] |
| Weight | 0.034 lbs [15.42 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44711](#)



TNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors Technical Data Sheet

PE44711

Material Specifications

| Description | Material | Plating |
|--------------|----------|------------------|
| Contact | Brass | Gold over Nickel |
| Insulation | PTFE | |
| Body | Brass | Nickel |
| Coupling Nut | Brass | Nickel |

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

TNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

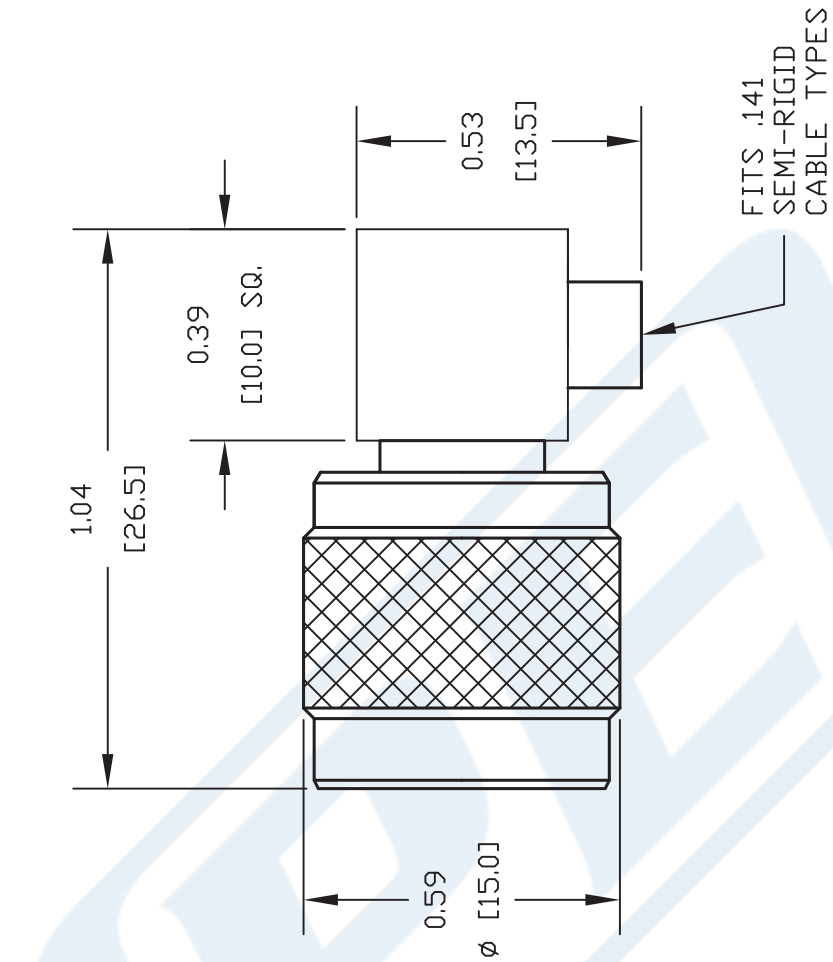
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44711](#)

URL: <https://www.pasternack.com/tnc-male-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe44711-p.aspx>

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PE44711 CAD Drawing

TNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & TIN CENTER CONDUCTOR.
2. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. THE CENTER CONDUCTOR WILL PROTRUDE INTO CONTACT SLOT.
3. SOLDER CENTER CONDUCTOR INTO SLOT AND OUTER CONDUCTOR TO BODY. INSERT INSULATOR AND PRESS CAP INTO CONNECTOR BODY.

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE
PE44711

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| REV. - | FSCM NO. 53919 | CAD FILE 062311 | SCALE N/A | SIZE A | 2231 |
|--------|----------------|-----------------|-----------|--------|------|
|--------|----------------|-----------------|-----------|--------|------|

Low Loss .141 Semi-Rigid Coax Cable, Tin Plated Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections

RF Cables Technical Data Sheet

PECX008

Configuration

- Low Loss Semi-Rigid Cable
- 1 Shield(s)

Features

- Continuous Copper Outer Conductor
- Low Density Microporous Dielectric
- Phase Stability vs. Temperature
- Mechanical Stability vs. Temperature
- High Isolation
- Supplied in 5 foot maximum straight lengths

Applications

- Low Loss Cabling
- Phase Matched Microporous Cables
- High Isolation Interconnects
- Surface Mount Cabling
- Semi-Rigid Cable Assemblies

Description

Pasternack's PECX008 low loss semi-rigid coax with copper outer conductor and microporous dielectric is part of our full line of RF components available for same-day shipping. This low loss semi-rigid coaxial cable operates to a maximum frequency range of 34 GHz. The outer conductor is served by a continuous copper tube which provides extremely high levels of RF shielding and low attenuation. The low density microporous dielectric of this semi rigid coax reduces the dielectric losses and also provides more phase stability over temperature when compared to solid PTFE dielectric. An additional benefit of the microporous dielectric is its mechanical stability over temperature. Unlike solid PTFE, this low density PTFE material can handle soldering heat with minimal or no measurable extrusion on the ends of the cable. This minimizes stress on connectors and allows for more predictable termination on PCB, surface mount applications.

Our microporous dielectric low loss semi-rigid coax cable, PECX008 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave interconnects allows designers to configure and customize their signal connections however they like. Whether the need is to provide a high isolation, phase stable signal path or simply create a custom cable assembly configuration, Pasternack has the right cable for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 34 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 76.5 | | % |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss .141 Semi-Rigid Coax Cable, Tin Plated Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections PECX008](#)

Low Loss .141 Semi-Rigid Coax Cable, Tin Plated
Copper Outer Conductor, Microporous PTFE
76.5 pct VoP Dielectric, Straight Sections

RF Cables
Technical Data Sheet

PECX008

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|-------|--------|--------|----------|
| Frequency | 0.5 | 1 | 5 | 10 | 18 | GHz |
| Attenuation, Typ | 7.5 | 10.5 | 24 | 34 | 46 | dB/100ft |
| | 24.61 | 34.45 | 78.74 | 111.55 | 150.92 | dB/100m |
| Input Power (CW), Max | 820 | 580 | 240 | 170 | 130 | Watts |

| Description | F6 | F7 | F8 | F9 | F10 | Units |
|-----------------------|-------|----|----|----|-----|----------|
| Frequency | 20 | | | | | GHz |
| Attenuation, Typ | 52 | | | | | dB/100ft |
| | 170.6 | | | | | dB/100m |
| Input Power (CW), Max | 115 | | | | | Watts |

Mechanical Specifications

Min. Bend Radius (Installation) 0.5 in [12.7 mm]

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|--|------------------|
| Inner Conductor | Copper, Silver, 1 Strand ASTM B-298 | 0.04 in 1.02 mm |
| Conductor Type | Solid | |
| Dielectric | Microporous PTFE | 0.118 in [3 mm] |
| Outer Conductor | Copper, Tin ASTM B545 | 0.141 in 3.58 mm |

Environmental Specifications

Temperature

Operating Range -65 to +200 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss .141 Semi-Rigid Coax Cable, Tin Plated Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections PECX008](#)

Low Loss .141 Semi-Rigid Coax Cable, Tin Plated
Copper Outer Conductor, Microporous PTFE
76.5 pct VoP Dielectric, Straight Sections

RF Cables
Technical Data Sheet

PECX008

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Low Loss .141 Semi-Rigid Coax Cable, Tin Plated Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

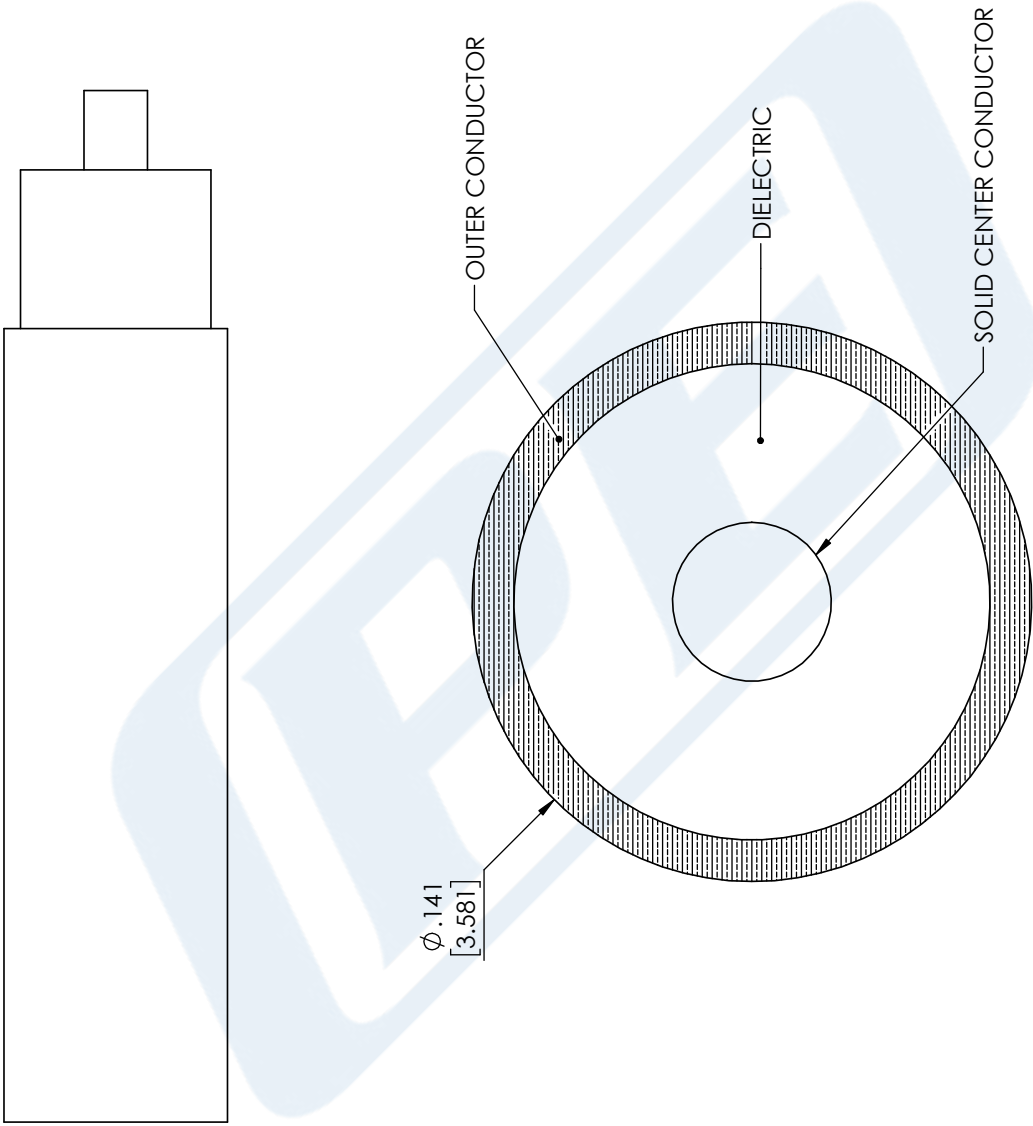
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss .141 Semi-Rigid Coax Cable, Tin Plated Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections PECX008](#)

URL: <https://www.pasternack.com/low-loss-semirigid-141-coax-cable-tin-plated-copper-straight-pecx008-p.aspx>

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PECX008 CAD Drawing

Low Loss .141 Semi-Rigid Coax Cable, Tin Plated Copper Outer Conductor,
Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections



| STANDARD TOLERANCES | |
|---------------------|--------|
| .X | ±0.2 |
| .XX | ±0.01 |
| .XXX | ±0.005 |

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES



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THE ENGINEER'S RF SOURCE
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| | |
|-----------|---------|
| DWG TITLE | PECX008 |
| CAGE CODE | 53919 |

| | | | | | | | |
|---|----------|----------|-------|-----|------|---|--------|
| NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm]. | CAD FILE | 06/15/18 | SCALE | N/A | SIZE | A | CN2245 |
|---|----------|----------|-------|-----|------|---|--------|